

**Research Organisation Name:**

Drochaid Research Services Ltd

About:

Drochaid Research Services Ltd is a Contract R&D organisation, with expertise, experience and capability to carry out work-class work in the areas of Chemistry, Catalysis and Materials science. Our interest is to support organisations to develop new technologies, processes and products or improve existing ones. We have extensive first-hand experience in the development of chemical processes, supporting invention to commercialisation and a track record of applying our resources to straddle different sectors including chemicals, energy, materials, biotechnology and the circular economy.

Location(s):

St. Andrews, Fife

Technical Capability:

Team with extensive industrial experience; 10 state-of-the-art laboratories equipped to synthesise, characterise, and test materials; analysis of feedstocks and complex mixture of products; rapid/parallel/long term screening of catalysts; fixed bed, batch and three-phase slurry reactors

Research Areas Relevant to the Foundation Industries:

Valorisation of low value or waste (including CO₂) streams to manufacture high value chemicals; waste recycling, utilisation and symbiosis; new processes & formulation

How to Engage with Drochaid Research Services:

Technical Consultancy; Contract R&D; Collaborative R&D

Contact Name and e-mail address:

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Laboratory Manager: David Brown David.Brown@drochaidresearch.com

Case Study:

Oxford Biotrans Ltd partnered with Drochaid Research Services Ltd to probe the impact of substrate and their modified patented enzyme engineered concentrations on an enzymatic oxidation process. The experimental work carried out at Drochaid's specialist equipment and expertise allowed Oxford Biotrans to improve the efficiency of the production of the natural product nootkatone. Drochaid generated the data necessary to further improve the technology and demonstrated the successful support to a company within the industrial biotechnology sector. <https://ibioic-publications.com/summer-2021-member-news-1/drochaid-oxford-biotrans>